KALPNATH RAI): Yes, Sir, The hydro-thermal mix in the installed capacity has declined over the years. The harnessing of hydro power potential is dependent on various technical and economic factors including resolution of inter-State disputes regarding sharing of water resources, en vironmental considerations, rehabilitation of oustees, difficult terrains, longer laed time required for investigations of hyd roelectric schemes and longer gestation period. These reasons contribute to slow development of hydro potential. Howevers a number of hydroelectric power projects have been proposed for construction in the Central and State Sectors for benefits in the Eighth Plan. External assistance is also proposed to be availed of for hydro power development in tbe country.

Survey on Energy Position in Rajasthan

2881. SHRI SANTOSH BAGRODIA; Will the Minister of ENERGY be Phased to state;

(a) whether the Central Electricity Authority has conducted a survey on en ergy position in Rajasthan; and

(b) if so, the estimate made about the present and future power generation in Rajasthan and the present availability of power there from internal and external sources?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALP-NATH RAI): (a) The requirement of Electricity for drawing up power prog-rammes is being projected at the National level under a system of periodic power surveys with which Central Electricity Authority is also associated.

(b) During the period April, 1988—i October, 1988 as against the overall net energy requirement of Rajasthan of 4977 MU, the availability from all sources was 4868/MU. According to 13th Central Power Survey Committee Report, the projected energy requirment in Rajasthan at the end of Eighth Plan would be about 19872 MU.

Hydro-Electric Power Project in Rajasthan

2882. SHRI SANTOSH BAGRODIA; Will the Minister of ENERGY be pleased to state;

(a) the number of hydro-electric po wer projects under execution in Rajasthan at present;

(b) the total MW of power being generated from those hydro-electric pro jects;

(c) whether Government have a proposal to take up the execution of tome more hydro-electric projects in that State; and

(d) if so, what are the details thereof?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALP-NATH RAI); (a) Ten schemes comprising major|medium, small and mini hydro-electric projects are at present under execution in Rajasthan.

(b) The total benefits of 111.25 MW from these schemes have been envisaged as under;

During the 7th Plan—103.515 MW

During the 8th Plan—8.38 MW

(c) and (d) Four new proposals for hydro-electric projects have been submit-

ted by the State Government for technoeconomic clearance by C.E.A. The present status of these projects is as follows;

Scheme	Installed Capacity (No. KMW)	Estimated Cost (Its. Crore)	Status
Kota Pumped storage scheme	2X100	158.00	Comments on Civil design , hydrology, dam design etc. sent to project authorities. Reply are awaited.
Jawai HE scheme	2X0.6 +2X0.6	6.00	Comments on hydro planning, civil design, construction machinery etc, sent to project authorities. Reples are awaited.
Rahughat HE project	4X40		Project report returned to state authorities for re-submission as the Project involves Inter-state aspects.
Mount Abu M.P. Project	2X5		Project report returned to state authorities for re-submission as the project being a multipurpose scheme would need to be cleared first by tbe TAC of the Planning Commission.

Neyveli Lignite Corporation plant

2883. SHRI BASUDEB MOHAPATRA; Will the Minister of ENERGY be pleased to state;

(a) whether it is a fact that Neyveli Lignite Corporation Limited (NIC) is setting up a pilot plant at Neyveli to study the combustive and corrosive properties of lignite;

(b) if so, what are the details thereof; and

(c) what are the other achievements of the Corporation since its inception?

THE MINISTER OF STATE IN THE DEPARTMENT OF COAL IN THE MINISTRY OF ENERGY (SHRI C. K. JAFFAR SHARIEF); (a) and (b) Proposal for setting up a pilot plant at Neyveli to study the aspects of furnace operating parametres such as, ash deposition, conrosion, erosion as well as grinding behaviour of lignite is at the formulation stage.

(c) Neyveli Lignite Corporation has completed the following projects;

(i) First lignite mine of 6.5 million tonnes capacity;

(ii) First thermal power station of 600 MW capacity:

(iii) Second lignite mine *of 4.7* million tonnes capacity;

(iv) Second thermal power station of 630 MW capacity;

(v) Fertilizer plant with capacity of 129200 tonnes urea; and

(vi) Briquetting and Carbonisation plant of 262000' tonnes capacity.

All the above units have been performing with very high standards of efficiency and productivity.

Projects under construction are second mine expansion (4.7 million tonnes to 10.5 million tonnes) and second thermal *power* station stage II (840 MW)